AMENDMENTS TO THE SPECIFICATION:

In response to the Examiner's objection to the informalities from page 3, line 23 through page 4, line 2, the Applicant traverses this objection. The Specification clearly defines the following abbreviations for references: [KAL], HOL, and BHA in the Specification at Page 22, line 20-page 24, line 10. Applicant submits that to spell out these references in the middle of these paragraphs is unnecessary and awkward.

In view of the foregoing, Applicant respectfully requests that the Examiner withdraw this objection.

Please amend page 4, lines 4-5 as follows:

US patent application no. 09/434,583 (issued as U.S. Patent No. 6,680,909) describes a scheduling method that gives high system throughput and fairness amongst different connections in a wireless network.

Please amend page 8, line 24 through page 9, line 1 as follows:

The said adaptive scheduling of transmission is by an Adaptive Flow-Based Polling ('AFP') algorithm whereby a 25 queue with a size greater than a defined threshold is continuously polled for a defined number of transmissions as long as its size remains greater than said defined threshold.

Please amend page 9, line 22 through page 10, line 1 as follows:

The said computer readable program code means configured for minimizing the number of baseband packets created for each L2CAP packet is a Segmentation and Reassembly-Optimum-Slot Utilization ("SAR-OSU") algorithm comprising converting said L2CAP packet into as many

baseband packets of highest capacity Cn as possible and repeating the conversion process on the unconverted bytes using each successive lower capacity baseband packet size until all the unconverted bytes have been converted into baseband packets.

Please amend page 15, lines 5-10 as follows:

- **Signalling packet to convey value of slot_limit from Link Manager Protocol ("LMP") to L2CAP**

Since the *SAR* is performed at the L2CAP layer and ***slot_limit*** is known to the LMP, which is a layer below L2CAP, we need a mechanism by which ***slot_limit*** can be conveyed to the L2CAP. The LMP will use a signalling packet to convey ***slot_limit*** to the L2CAP, which then uses SAR-OSU algorithm to perform *SAR* on every following L2CAP packet.

Please amend the ABSTRACT on page 30, lines 5-18 as follows:

The present invention relates to a computer implemented system for transferring data over a master driven TDD/TDMA based wireless network ~~characterized in that it operates~~ operating with minimum delay in end-to-end transmission by ~~including: means for~~ achieving optimum time slot utilization by minimizing the number of baseband packets created for each Link layer packet, where each baseband packet ~~being of~~ is a size corresponding to one of a permitted set of capacities 'C_1, C_2, ... Cn' ~~, and means for optimum~~ . The system also optimizes sharing of bandwidth, higher link utilization and low baseband packet transmission queue occupancy by adaptive scheduling of the transmission of ~~said~~ the baseband packets in ~~said~~ the queues. The invention also provides a method and computer program product for the above system.